

DIELECTRIC CERAMIC COMPOSITION, ELECTRONIC DEVICE, AND METHOD FOR PRODUCING SAME

ABSTRACT OF THE DISCLOSURE

A dielectric ceramic composition comprising at least a main component containing a dielectric oxide of a composition expressed by $\{(Sr_{1-x}Ca_x)O\}_m \cdot (Ti_{1-y}Zr_y)O_2$ and a first subcomponent containing at least one type of compound selected from oxides of V, Nb, W, Ta, and Mo and/or compounds forming these oxides after firing, wherein the symbols m, x, and y showing the molar ratio of the composition in the formula contained in the main component are in relations of $0.94 < m < 1.08$, $0 \leq x \leq 1.00$, and $0 \leq y \leq 0.20$ and the ratio of the first subcomponent with respect to 100 moles of the main component, which is converted to the metal element in the oxide, is $0.01 \text{ mole} \leq \text{first subcomponent} < 2 \text{ moles}$. According to this dielectric ceramic composition, it is possible to obtain a superior resistance to reduction at the time of firing, obtain a superior capacity-temperature characteristic after firing, and improve the accelerated life of the insulation resistance.